

Patents Recently Issued to IBM Inventors

August and September 1967

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3,333,326	Method of Modifying Electrical Characteristic of Semiconductor Member	<i>J. E. Thomas, Jr. and D. R. Young</i>
3,333,669	Tabulation Rack	<i>J. O. Schaefer</i>
3,333,985	Process for Fabricating Reproducible Photoconductors	<i>M. Berkenblit, G. Cherooff, F. Hochberg and A. Reisman</i>
3,334,304	Asynchronous Character Generator for Successive Endpoint Definition	<i>R. J. Fournier and L. F. Winter</i>
3,334,720	Selection Mechanism in Which One Select or Plate Provides Selection in Plural Directions	<i>J. E. Hickerson</i>
3,334,721	Printing Structure Having Plural Type Wheels	<i>J. E. Hickerson</i>
3,334,785	Air Flow Control and Cell Deflector Blade System with Direct Access Matrix File	<i>W. L. Grabowski, B. Junge and E. H. Storm</i>
3,335,038	Methods of Producing Single Crystals on Polycrystalline Substrates and Devices Using Same	<i>V. Y. Doo</i>
3,335,293	Threshold Logic Circuit with Quasi-Linear Current Summing	<i>T. B. Horgan</i>
3,335,340	Combined Transistor and Testing Structures and Fabrication Thereof	<i>F. Barson and W. E. Mutter</i>
3,335,659	Print Hammer Drive Mechanism for High Speed Printers	<i>G. H. Schacht and E. Spieth</i>
3,335,755	High-Speed Pneumatic Switch	<i>T. J. Harris and J. I. Aweida</i>
3,336,467	Simultaneous Message Framing and Error Detection	<i>A. H. Frey, Jr.</i>
3,336,561	Electrical Connection Means	<i>S. E. Whiting</i>
3,336,582	Interlocked Communication System	<i>W. F. Beausoleil, J. D. Calvert and A. Padegs</i>
3,336,587	Display System with Intensification	<i>C. J. Brown</i>
3,337,159	Pneumatic Isolation Buffer	<i>H. G. Hoehmann, B. Junge and J. L. Lyon</i>
3,337,365	Electrical Resistance Composition, and Method of Using the Same to Form a Resistor	<i>A. H. Mones</i>
3,337,766	Selective Beam Positioning of a Flying Spot Scanner with Error Correction	<i>D. L. Malaby</i>
3,337,855	Transmission Control Unit	<i>W. H. Richard, L. A. Mitta, E. Loizides, D. Mackie, J. R. Carthew and L. T. O'Connor, Jr.</i>
3,337,856	Non-Destructive Readout Magnetic Memory	<i>G. Bate, J. R. Morrison and D. E. Speliotis</i>
3,337,860	Display Tracking System	<i>A. C. O'Hara, Jr.</i>
3,337,861	Data Transfer Device	<i>L. R. Harper</i>
3,337,941	Recycle Control Circuit for a Chip Positioning Machine	<i>J. G. Drop</i>
3,338,256	Flow Sensing Valve	<i>H. A. Panissidi</i>
3,338,512	Left Zero Insertion Feature	<i>D. B. Fitzpatrick and N. E. Greene</i>
3,338,678	Method and Apparatus for Growing Crystals	<i>K. Weiser and S. E. Blum</i>
3,338,850	Fumaric Acid-Rosin Adduct/Polyester Varnish Moisture-Set Ink Vehicle and Ink Compositions	<i>J. D. Sbarra and P. Chebiniak</i>
3,339,022	Transistor Circuit for Receiving Data Pulses	<i>P. Abramson, G. R. Stilwell, Jr. and A. X. Widmer</i>
3,339,073	Sonic Laser Modulator with Mode Suppression Produced by External Modulation	<i>L. P. Hunter</i>
3,339,145	Latching Stage for Register with Automatic Resetting	<i>O. L. MacSorley</i>
3,339,151	Beam Deflecting Lasers	<i>W. V. Smith</i>
3,339,157	Phase Locking Start Circuit for a Variable Frequency Oscillator	<i>B. C. Fiorino</i>
3,339,165	Magnetic Switching Device	<i>R. L. Garwin</i>
3,339,177	Data Consolidation System Employing Cell Grouping with a Plurality of Scans within Each Cell	<i>W. W. Hardin</i>
3,339,178	Video Clipping Circuit Adjustable by Digital Feedback	<i>W. W. Hardin</i>
3,339,179	Pattern Recognition Preprocessing Techniques	<i>G. L. Shelton, Jr. and L. P. Horwitz</i>
3,339,182	Optimum Result Computer	<i>L. P. Horwitz and R. M. Karp</i>
3,339,191	Core Driver Test Apparatus	<i>C. F. Weiss, Jr.</i>

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3,339,268	Frame Fabrication Method	<i>J. M. Adams and J. A. White, Jr.</i>
3,339,695	Repeat Mechanism for Printing Device	<i>L. E. Palmer</i>
3,339,704	Chip Orientation Sensor	<i>K. Clark, E. J. Creighton, J. G. Drop and G. R. Santillo, Jr.</i>
3,339,993	Magnetic Strip Storage Cells	<i>D. L. Stoddard</i>
3,340,101	Thermoforming of Metals	<i>D. S. Fields, Jr., D. L. Mehl and B. F. Addis</i>
3,340,388	Latched Carry Save Adder Circuit for Multipliers	<i>J. G. Earle</i>

3,340,438	Encapsulation of Electronic Modules	<i>R. R. Dion, J. A. Benenati, R. E. Morris and C. P. Coughlin</i>
3,340,515	Data Buffering for Time Related Measured Data Transmitted Asynchronously	<i>J. G. Little</i>
3,340,516	Master-Slave Net Control	<i>W. P. Harbour, Jr., R. A. Kolpek and T. L. Musto</i>
3,340,518	Magnetic Head Structure	<i>J. S. Hanson</i>
3,340,786	High Pressure Ammonia Development Device	<i>E. H. Storm</i>
3,341,070	Record Member Guide Device	<i>F. R. Hertrich</i>
3,341,276	Random Access Motion Picture Film	<i>M. P. Prater</i>
3,341,375	Fabrication Technique	<i>F. Hochberg and A. Reisman</i>
3,341,442	Method of Cathode Sputtering Including Cleaning by Ion Bombardment Wherein an Article to be Coated is Subjected to Canal Rays	<i>E. Kay</i>
3,341,472	Photoconductors and Method of Making the Same	<i>W. A. Hewett and A. H. Sporer</i>
3,341,667	Magnetic Transducer with Single Piece Core	<i>E. A. Brown and G. H. Schacht</i>
3,341,767	Power Inverter Utilizing Controlled Resonant Commutation	<i>J. R. Cielo</i>
3,341,795	Force Transducer	<i>E. G. Newman, R. R. Smith and K. H. Stokes</i>
3,341,818	Plural Line Scanner	<i>D. Mackie, L. A. Mitta, L. T. O'Connor, Jr. and W. H. Richard</i>
3,341,824	Unit Unavailability Detector for a Data Processing System	<i>W. P. Wissick and O. L. MacSorley</i>
3,341,854	Modulating Magnetic Record Transfer Means	<i>E. J. Supernowicz</i>
3,341,937	Crystalline Injection Laser Device Manufacture	<i>F. H. Dill, Jr.</i>
3,342,371	Document Retrieval System	<i>R. K. Wilmer</i>
3,342,393	Storage Devices	<i>L. Licht, D. E. Brickl and B. H. Indergard</i>
3,342,546	Process for Controlling the Preparation of Binary Compounds	<i>A. Reisman and M. Berkenblit</i>
3,342,591	Ferromagnetic Compounds and Method of Preparation	<i>R. J. Gambino, F. Holtzberg and S. J. Methfessel</i>
3,342,618	Thermographic Copying Material	<i>W. L. Peticolas</i>
3,342,632	Magnetic Coating	<i>G. Bate, D. E. Speliotis and J. R. Morrison</i>
3,342,633	Magnetic Coating	<i>G. Bate, D. E. Speliotis and J. R. Morrison</i>
3,342,652	Chemical Polishing of a Semi-Conductor Substrate	<i>A. Reisman and R. L. Rohr</i>
3,342,983	Parity Checking and Parity Generating Means for Binary Adders	<i>S. H. Pitkowsky and R. B. Godfrey</i>
3,343,035	Superconducting Electrical Power Transmission Systems	<i>R. L. Garwin</i>
3,343,049	Semiconductor Devices and Passivation Thereof	<i>W. H. Miller and F. Barson</i>
3,343,131	Printer Control Apparatus Including Code Modification Means	<i>E. M. Bloom, Jr. and V. J. Faidley</i>
3,343,134	Multiple Section Retrieval System	<i>K. D. Foulger and A. G. Silver</i>
3,343,135	Compiling Circuitry for a Highly Parallel Computing System	<i>C. V. Freiman and H. Hellerman</i>
3,343,141	Bypassing of Processor Sequence Controls for Diagnostic Tests	<i>F. J. Hackl</i>
3,343,145	Diffused Thin Film Memory Device	<i>B. I. Bertelsen</i>
3,343,150	Light Capsule and Display System	<i>R. J. Orchard</i>
3,343,174	Magnetic Annealing for Information Storage	<i>O. Kornei</i>
3,343,256	Methods of Making Thru-Connections in Semiconductor Wafers	<i>M. G. Smith and E. Stern</i>
3,343,481	Fluid-Actuated Translating and Printing Means	<i>G. A. Giannuzzi and D. W. Haney</i>
3,343,559	Apparatus for Controlling Changes in Air Pressure in an Unknown Volume and Pressure Air System	<i>F. A. Goplen and G. R. Willis</i>
3,343,851	Card Documents	<i>R. A. Bensler, Sr. and R. W. Mitchell</i>
3,344,231	Digital Facsimile System Employing Run-Length Encoding and Variable Scan Rate to Provide Reduced Bandwidth	<i>P. D. Dodd and G. F. Grometer</i>
3,344,261	Division by Preselected Divisor	<i>L. M. Hornung</i>
3,344,289	Nuclear Battery	<i>R. D. Knight</i>
3,344,321	Magnetostrictive Delay Line Driver	<i>J. W. Sumilas</i>
3,344,399	Segmentation Method and Apparatus	<i>R. E. Bonner</i>
3,344,402	Multiple Section Search Operation	<i>K. D. Foulger and A. G. Silver</i>
3,344,403	File Selection System	<i>K. D. Foulger and J. J. Harmon</i>
3,344,405	Data Storage and Retrieval System	<i>J. L. Craft, E. R. Floto, J. W. Newitt and H. J. Smith, Jr.</i>
3,344,406	Sampled Data Reduction and Storage System	<i>A. W. Vinal</i>
3,344,410	Data Handling System	<i>A. F. Collins, J. E. Greene, H. R. Jensen, M. J. Kelly, E. R. Marsh and F. M. Powell</i>